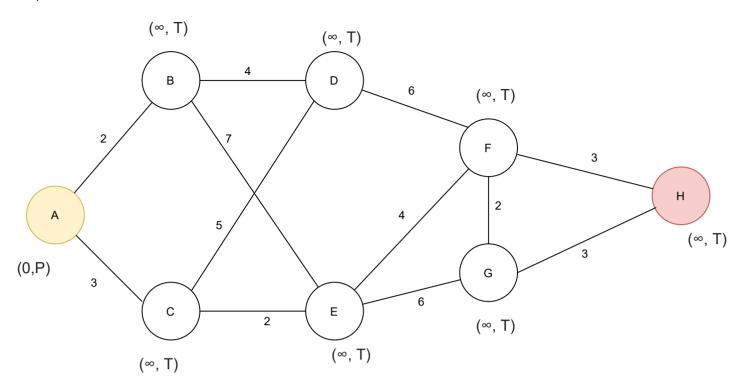
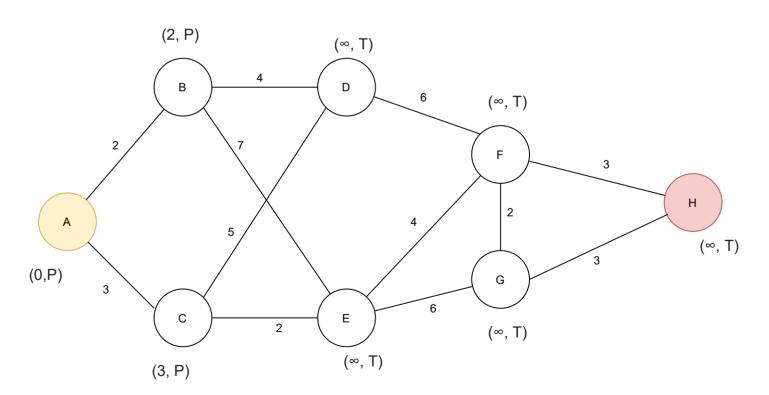
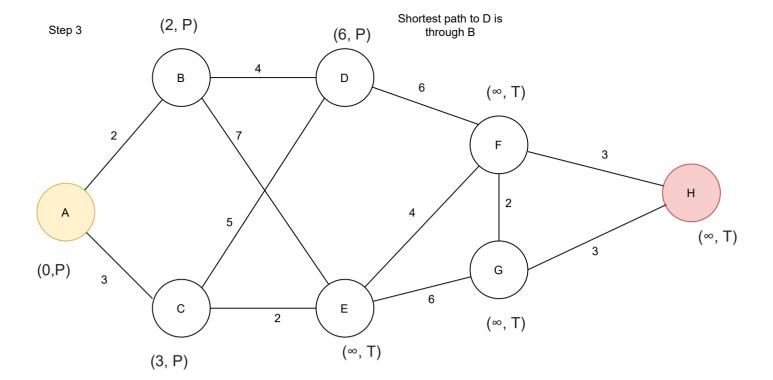
Task 3: Using Dikjstra's shortest path algorithm calculate the shortest path from Node A through to Node H

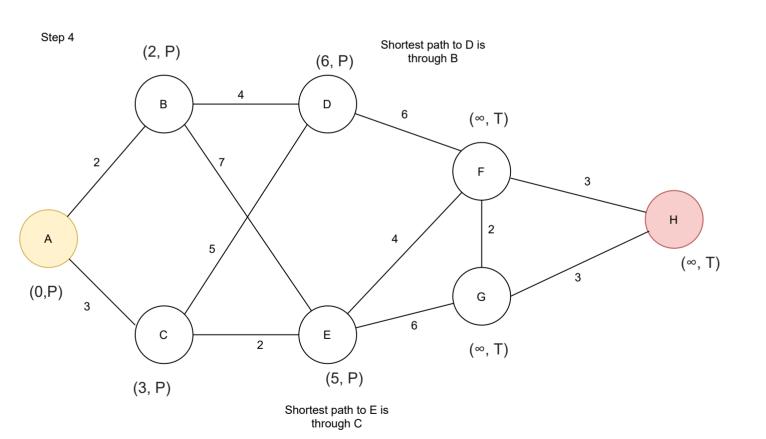
Step 1



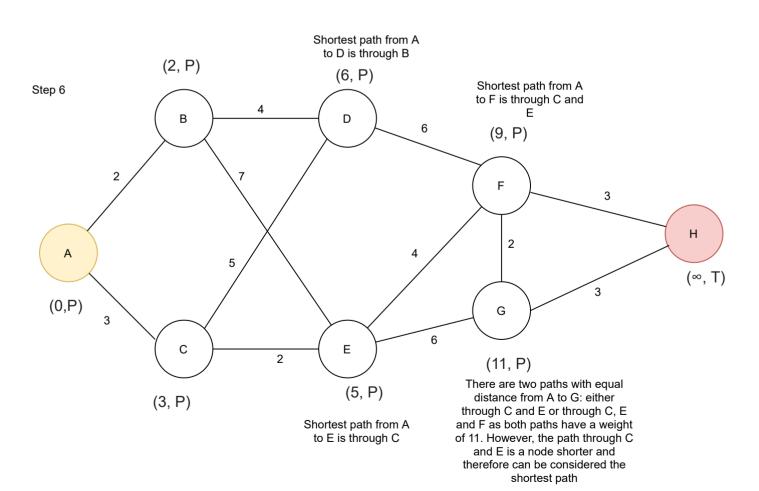
Step 2



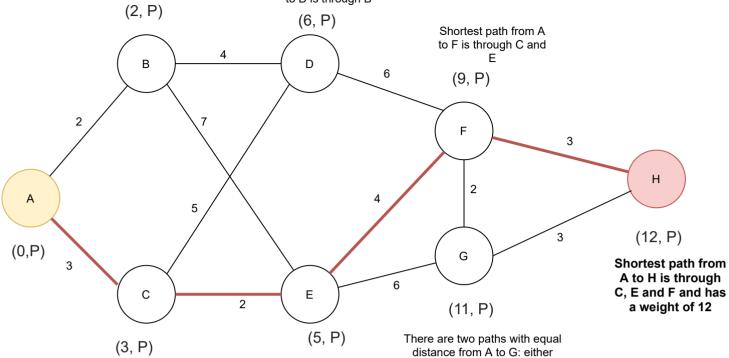




Shortest path from A to E is through C



Shortest path from A to D is through B



Shortest path from A to E is through C

There are two paths with equal distance from A to G: either through C and E or through C, E and F as both paths have a weight of 11. However, the path through C and E is a node shorter and therefore can be considered the shortest path